

**Curriculum Vitae of
Dr hab. Marek Nikołaĳuk, Assoc. Prof.**

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Personal information

Date & place of birth: 1974, Białystok
Address: University of Białystok
Faculty of Physics
Ciolkowskiego 1L Street
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Education, diplomas, degrees

- 2015 Doctor of Philosophy with habilitation degree in astronomy. Nicolaus Copernicus Astronomical Center of the Polish Academy of Science, Warsaw. Thesis: 'Selected sides of evolution of accretion processes around supermassive black hole seen in different timescales'.
- 2004 Doctor of Philosophy degree in astronomy, Nicolaus Copernicus Astronomical Center of the Polish Academy of Science, Warsaw. PhD thesis 'Global parameters of Active Galactic Nuclei', advisor prof. dr hab. Bożena Czerny
- 1999 Master of Science degree in theoretical physics, Warsaw University. Master's thesis 'Modelling of a mean spectrum of quasars', advisor: prof. dr hab. Bożena Czerny and prof. dr hab. Marek Demiański.

Past and present employment at scientific institutions

- 2016-now University of Białystok, Faculty of Physics, associated professor,
- 2010-2011 Université de Genève, Observatoire Astronomique, ISDC Data Centre for Astrophysics, post-doctoral position,
- 2006-2016 University of Białystok, Faculty of Physics (Faculty of Mathematics and Physics till 2007), teaching assistant and assistant professor.

Fellowships and internships

2013	3 months research internship. Universitat de Genève, Observatoire Astronomique, Switzerland. Collaboration with Dr. R. Walter.
2010-2011	15 months postdoctoral fellowship. Universitat de Genève. Observatoire Astronomique, ISDC Data Centre for Astrophysics. Collaboration with Dr. R. Walter.
2005	3 months research internship at European Southern Observatory, Garching, Germany. Collaboration with Dr. A. Dobrzycki.

Memberships in Scientific Societies

2009-now	International Astronomical Union (IAU),
2009-now	Polish Astronomical Society (PTA),
2020-2023, 2008-2011	Committee of Astronomy of the Polish Academy of Sciences (KA PAN)

Services

2016-now	subject matter expert in physics and astronomy, Polish Accreditation Committee (PKA),
2016-2020	deputy dean of Faculty of Physics, Univ. of Białystok,
2016-now	member of the University Senate Committee on Education, Univ. of Białystok,
2020-now	secretary IAU — National Committee for Astronomy,
2020-now	deputy president and Secretary of Committee of Astronomy of the Polish Academy of Sciences.

Main research interests

- type 1, Weak Emission Lines (WLQ) quasars,
- radiative processes and spectral analysis in opt.-UV range of AGNs,
- X-ray timing analysis of AGNs and compact accreting objects,
- high energy emission including Cherenkov radiation,
- BLS1 and NLS1 galaxies,
- Tidal Disruption Events,
- accretion models.

Research projects

2017-2022	Polish contribution to the preparation and conduct of the research program of the CTA project in its first phase. PI,
2012-2015	Polish participation in the INTEGRAL mission. V Project. Co-PI,
2011-2014	Study of the source geometry and physical processes around accreting black holes and neutron stars. Co-PI,
2009-2012	Evolution of active galactic nuclei. Co-PI,
2009-2011	Polish participation in the INTEGRAL mission. Co-PI,
2006-2009	Winds and outflows from accreting black holes. Co-PI.

Attendance at conferences, workshops, and schools as a participant

- Conferences and workshops: 35 (last in 2021),
- Astronomical Schools: 3.

Organisation and co-organisation of conferences

August 2021 co-organiser of the 40th European Symposium on Occultation Projects, Faculty of Physics, Białystok, Poland.

Awards

- Award of the Rector of the University of Białystok for scientific work, 2012,
- Award of the Rector of the University of Białystok for organisational activity, 2020.

Reviewer of

- Ph.D. theses: 2 people,
- scientific achievements (during the process of granting the degree of dr hab.): 2 people.

Didactic

- university lecturer (undergraduate & graduate courses): Astronomy, Astrophysics and Cosmology, Astrophysics of accretion disks;
- university teacher – practical classes (undergraduate courses): Introduction to quantum mechanics, Classical electrodynamics, Numerical methods, Programming in C, Operating systems,

- supervisor of 16 undergraduate theses (bachelor's degree),
- supervisor of 15 master's theses,
- supervisor of 1 Ph.D. thesis,

Popularisation of astronomy

- popular science lectures given at schools: around 65,
- astronomical interviews given on radio and television,
- jury member of school astronomy competitions,
- writing popular sciences articles.